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From: Michael Ritorto
Sent: Tue 10/25/2016 2:41:19 PM
Subject: CFAC Monitoring Well pH Activities - Update
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Mr. Cirian,

As requested during the CFAC project conference call on October 20, 2016, Roux Associates is providing an update regarding work completed over the past two weeks to further evaluate pH conditions in monitoring wells at the CFAC Site. Hydrometrics was onsite from October 11 – 14 and October 18 – 22, 2016. Hydrometrics personnel purged additional groundwater from eleven monitoring wells previously identified to have pH over 10 during well development and sampling activities. As documented previously via email, based on the distribution of wells with high pH across the site, we believe the elevated pH is most likely attributed to the use of cement grout during well construction.

The table below lists the wells where additional purging was completed and the summarizes the results of the purging.

Well ID	Date Visited	Volume Purged (gal)	pH Reduced	Average Purge Rate (gpm)	Start pH	End pH	Notes
CFMW-008a	10/20/2016	4	No	NA	11.81	No significant pH change	Evacuated all water from the well
CFMW-032a	10/13/2016	135	No		0.3	12.46	No significant pH change
CFMW-053a	10/13/2016	11	No	NA	12.15	No significant pH change	Evacuated all water from the well
CFMW-059a	10/12/2016	645	Yes		1.25	12.21	9.58
CFMW-057a	10/11/2016	22	No	NA	12.76	No significant pH change	Evacuated all water from the well three (3) times
CFMW-049a	10/14/2016	255	Yes		1.25	12.17	9.76
CFMW-044a	10/18/2016	176	No	0.5	11.01	12.52	water was cloudy

CFMW-016a	10/19/2016	73	Yes	0.7	12.04	8.9
CFMW-047	10/20/2016	70	Yes	0.7	7.82	7.4
CFMW-019a	10/19/2016	69	Yes	0.6	10.64	7.84
CFMW-011a	10/20/2016	105	Yes	0.7	10.56	7.38

As discussed on the call, Roux Associates and CFAC will continue to monitor the pH conditions at these locations during future sampling events and will continue to provide updates in future Progress Reports and Data Summary Reports.

Michael Ritorto

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